AMENDMENTS TO THE SPECIFICATION

On page 1, Para 0003, Line 10, please replace the original paragraph with the following amended paragraph: 4/1/08 T.T.

Baseline modeling of a product or process generally provides an understanding of the performance of an "ideal" product or process over time. An engine is one type of product or process that baseline modeling is suitable for use. Engine baseline modeling has a multitude of uses including, but not limited to, determining when an engine performs out of specification, predicting when an engine failure will occur, detecting abnormal conditions, determining the quality of an engine and designing new engines. Typically, engine baseline models are developed from data gathered from thermodynamic cycle analyses and simulation. First, models of ideal values are created and indexed by variables such as altitude, temperature, power setting, and air speed. Once data from the normal operation of the engine is available, these models are updated by analyzing data corresponding to a particular model characteristic. An engineer then looks for data that are similar for the specified engine variables (e.g., altitude, temperature, power setting, air speed), groups the similar data, averages them for each variable and performs other operations as desired. The engineer then plots data for each of the variables. The plots provide interrelationship information between each of the engine variables, which the engineer uses to create tables of typical operational parameters of the baseline model. These tables of parameters are used as the basis of comparison for engine operation. Differences from the baseline model may indicate engine faults or deterioration trends.

On page 4, Para 0006, Line 1, please replace the original paragraph with the following amended paragraph: 4/1/08 T.T.

The present invention overcomes the problems noted above, and provides additional advantages, by providing a system, method and computer readable medium